

# Offer



**allyouneed Online GmbH**

Schickgasse 3/2  
1220 Wien

Director: Michael Swoboda, Mag. Hertha Swoboda

Trade register no: FN207686x

Phone: +43 1 285 8778

Fax: +43 1 285 8778 - 87

Website: <http://www.ayno.at>

Shop: <http://global.ayno.at/shop>



# Table of contents



LANCOM 1780EW-4G+ - Wireless router  
Order form

3  
6

# LANCOM 1780EW-4G+ – Wireless router

## Product information

Shop-Navcode S18649479  
 Manufacturer LANCOM



Product information	
Part number	S18649479
Manufacturer	LANCOM
Manuf. part number	61712
Main specifications	
Product Description	LANCOM 1780EW-4G+ - wireless router - WWAN - 802.11a/b/g/n/ac - desktop
Device Type	Wireless router - wireless cellular modem
Enclosure Type	Desktop
Cellular Protocol	UMTS, HSPA, LTE
WAN Ports Qty	1
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac
Frequency Band	2.4 GHz / 5 GHz
Data Transfer Rate	867 Mbps
Capacity	Concurrent IPSec VPN tunnels: 5 VLANs supported: 4096
Network / Transport Protocol	TCP/IP, PPTP, NetBEUI/NetBIOS, NTP, ICMP/IP, IPSec, PPPoE, IPoE, ARP, SMTP, BOOTP, DHCP, DNS, Bonjour, DDNS, DHCPv6, L2TPv2
Routing Protocol	BGP-4, RIP-1, RIP-2, BGP, VRRP, GRE, policy-based routing (PBR)
Remote Management Protocol	SNMP 1, Telnet, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SSH
Features	Auto-sensing per device, power over Ethernet (PoE), VPN support, load balancing, VLAN support, IGMP snooping, Syslog support, traffic shaping, DoS attack prevention, packet filtering, ALG support, DiffServ support, MAC address filtering, IPv6 support, DFS support, Intrusion Prevention System (IPS), URL filtering, IP address filtering, Access Point operational mode, firmware upgradable, SNMP support, wall mountable, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP) support, Wi-Fi Multimedia (WMM) support, Access Control List (ACL) support, Quality of Service (QoS), IPSec NAT-Traversal (NAT-T), DHCP server, Multiple SSID support, DNS proxy, port forwarding, wireless bridge mode, reset button, 2T2R MIMO technology, IPv4 support, DNS server, LLDP support, DHCP relay, Stateful Packet Inspection Firewall (SPIF), anti-spoofing protection, Maximum Ratio Combining (MRC), Low Density Parity Check (LDPC), IPSec over HTTPS, SNMP trap, DNS relay, DHCP client, e-mail notification, Space Time Blocking Code (STBC), cloud managed, Type of Service (ToS), DNS client, NTP client
Compliant Standards	IEEE 802.11b, IEEE 802.11a, IEEE 802.11d, IEEE 802.11g, IEEE 802.1x, X.509, IEEE 802.11i, IEEE 802.11h, IEEE 802.11e, IEEE 802.11n, IEEE 802.3at, IEEE 802.3az, IEEE 802.11ac, IEEE 802.11w, IEEE 802.11r, IEEE 802.11u

## allyouneed Online GmbH

Schickgasse 3/2  
 1220 Wien

Director: Michael Swoboda, Mag.  
 Hertha Swoboda  
 Trade register no: FN207686x  
 Purchase tax ID: ATU 53210207

Phone: +43 1 285 8778  
 Fax: +43 1 285 8778 – 87

Website: <http://www.ayno.at>  
 Shop: <http://global.ayno.at/shop>



# LANCOM 1780EW-4G+ – Wireless router

## Product information

Shop-Navcode S18649479  
Manufacturer LANCOM

Power	AC 230V
Dimensions (WxDxH)	21 cm x 14 cm x 4.5 cm
Weight	600 g
<b>General</b>	
Device Type	Wireless router
Enclosure Type	Desktop
Connectivity Technology	Wireless, wired
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac
Frequency Band	2.4 GHz / 5 GHz
Data Transfer Rate	867 Mbps
Max Range Indoors	30 m
Max Range Open Space	150 m
Selectable Channels Qty	26
Capacity	Concurrent IPsec VPN tunnels: 5 VLANs supported: 4096
Network / Transport Protocol	TCP/IP, PPTP, NetBEUI/NetBIOS, NTP, ICMP/IP, IPsec, PPPoE, IPoE, ARP, SMTP, BOOTP, DHCP, DNS, Bonjour, DDNS, DHCPv6, L2TPv2
Routing Protocol	BGP-4, RIP-1, RIP-2, BGP, VRRP, GRE, policy-based routing (PBR)
Remote Management Protocol	SNMP 1, Telnet, SNMP 3, SNMP 2c, HTTP, HTTPS, TFTP, SSH
Encryption Algorithm	Triple DES, Blowfish, RSA, RC4, MD5, IKE, TLS, SHA-1, PEAP, TTLS, TKIP, WPA, WPA2, CAST-128, AES-CCMP, 128-bit AES, 192-bit AES, 256-bit AES, WPA2-Enterprise, IKEv2
Authentication Method	Secure Shell (SSH), RADIUS, PAP, CHAP, X.509 certificates, Radio Service Set ID (SSID), TACACS+, MS-CHAP, MS-CHAP v.2, Extensible Authentication Protocol (EAP), XAUTH authentication, RADSEC
Features	Auto-sensing per device, power over Ethernet (PoE), VPN support, load balancing, VLAN support, IGMP snooping, Syslog support, traffic shaping, DoS attack prevention, packet filtering, ALG support, DiffServ support, MAC address filtering, IPv6 support, DFS support, Intrusion Prevention System (IPS), URL filtering, IP address filtering, Access Point operational mode, firmware upgradable, SNTP support, wall mountable, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP) support, Wi-Fi Multimedia (WMM) support, Access Control List (ACL) support, Quality of Service (QoS), IPsec NAT-Traversal (NAT-T), DHCP server, Multiple SSID support, DNS proxy, port forwarding, wireless bridge mode, reset button, 2T2R MIMO technology, IPv4 support, DNS server, LLDP support, DHCP relay, Stateful Packet Inspection Firewall (SPIF), anti-spoofing protection, Maximum Ratio Combining (MRC), Low Density Parity Check (LDPC), IPsec over HTTPS, SNMP trap, DNS relay, DHCP client, e-mail notification, Space Time Blocking Code (STBC), cloud managed, Type of Service (ToS), DNS client, NTP client

### allyouneed Online GmbH

Schickgasse 3/2  
1220 Wien

Director: Michael Swoboda, Mag.  
Hertha Swoboda  
Trade register no: FN207686x  
Purchase tax ID: ATU 53210207

Phone: +43 1 285 8778  
Fax: +43 1 285 8778 – 87

Website: <http://www.ayno.at>  
Shop: <http://global.ayno.at/shop>



# LANCOM 1780EW-4G+ – Wireless router

## Product information

Shop-Navcode S18649479  
Manufacturer LANCOM

Compliant Standards	IEEE 802.11b, IEEE 802.11a, IEEE 802.11d, IEEE 802.11g, IEEE 802.1x, X.509, IEEE 802.11i, IEEE 802.11h, IEEE 802.11e, IEEE 802.11n, IEEE 802.3at, IEEE 802.3az, IEEE 802.11ac, IEEE 802.11w, IEEE 802.11r, IEEE 802.11u, EN 60950-1, EN 300 328, EN 301.489-24, EN 301 489-1, EN 301 893, EN 301 489-17
Built-in Devices	GPS
<b>Line Properties</b>	
Line Coding Format	256 QAM
<b>Communications</b>	
Type	Wireless cellular modem
Cellular Protocol	UMTS, HSPA, LTE
Max Transfer Rate	300 Mbps
<b>Expansion / Connectivity</b>	
Interfaces	WAN / LAN: 1 x 10Base-T/100Base-TX/1000Base-T - RJ-45 LAN: 1 x 10Base-T/100Base-TX/1000Base-T (PoE) - RJ-45 Management: 1 x 8 PIN mini-DIN Antenna: 2 x RP-SMA Antenna: 3 x SMA
Expansion Slots	1 SIM
<b>Aerial</b>	
Aerial	External detachable
Antenna Qty	4
<b>Power</b>	
Power Device	External power adapter
Voltage Required	AC 230V
Power Consumption Operational	16.83 Watt
<b>Miscellaneous</b>	
Included Accessories	2 x 2 dBi EDGE/UMTS/LTE aeriels, 2 x 3 dBi dipole aeriels
Cables Included	2 x network cable - 3 m
<b>Software / System Requirements</b>	
OS Provided	LCOS
<b>Dimensions &amp; Weight</b>	
Width	21 cm
Depth	14 cm
Height	4.5 cm
Weight	600 g
<b>Environmental Parameters</b>	
Min Operating Temperature	0 °C
Max Operating Temperature	35 °C
Humidity Range Operating	0 - 95% (non-condensing)

allyouneed Online GmbH

Schickgasse 3/2  
1220 Wien

Director: Michael Swoboda, Mag.  
Hertha Swoboda  
Trade register no: FN207686x  
Purchase tax ID: ATU 53210207

Phone: +43 1 285 8778  
Fax: +43 1 285 8778 - 87

Website: <http://www.ayno.at>  
Shop: <http://global.ayno.at/shop>



